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Evidential breath analysers

Part 3: Test report format

Ethylomètres

Partie 3 : Format du rapport d'essais

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## Foreword

The International Organisation of Legal Metrology (OIML) is a worldwide, intergovernmental organisation whose primary aim is to harmonise the regulations and metrological controls applied by the national metrological services, or related organisations, of its Member States.

The main categories of OIML publications are:

- **International Recommendations (OIML R)**, which are model regulations that establish the metrological characteristics required of certain measuring instruments and which specify methods and equipment for checking their conformity. OIML Member States shall implement these Recommendations to the greatest possible extent;
- **International Documents (OIML D)**, which are informative in nature and which are intended to harmonise and improve work in the field of legal metrology;
- **International Guides (OIML G)**, which are also informative in nature and which are intended to give guidelines for the application of certain requirements to legal metrology; and
- **International Basic Publications (OIML B)**, which define the operating rules of the various OIML structures and systems.

OIML Draft Recommendations, Documents and Guides are developed by Project Groups linked to Technical Committees or Subcommittees which comprise representatives from the Member States. Certain international and regional institutions also participate on a consultation basis. Cooperative agreements have been established between the OIML and certain institutions, such as ISO and the IEC, with the objective of avoiding contradictory requirements. Consequently, manufacturers and users of measuring instruments, test laboratories, etc. may simultaneously apply OIML publications and those of other institutions.

International Recommendations, Documents, Guides and Basic Publications are published in English (E) and translated into French (F) and are subject to periodic revision.

Additionally, the OIML participates in Joint Committees with other Institutions for the development of **Vocabularies (OIML V)** and **Joint Guides (G)** and periodically commissions legal metrology experts to write **Expert Reports (OIML E)**. Expert Reports are intended to provide information and advice, and are written solely from the viewpoint of their author, without the involvement of a Technical Committee or Subcommittee, nor that of the CIML. Thus, they do not necessarily represent the views of the OIML.

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## **Part 3 - Test report format**

### **Introduction**

This report format applies for any kind of evidential breath analysers (EBAs), independent of their technology. It presents a standardised format for recording the results of the various tests and examinations, described in this Recommendation, to which a type of EBA for alcohol detection shall be submitted with a view to its approval based on this OIML Recommendation.

The use of this report format as it is, or translated into a different language, is recommended to all metrology services or laboratories evaluating and/or testing types of EBAs for measuring breath alcohol according to OIML R 126, or according to national or regional regulations based on this Recommendation. If a translation is used, it is highly recommended to leave the structure and the clause numbers unchanged, in order to facilitate the interpretation of the contents by those readers who are not familiar with this other language.

The size of the fields should be adjusted as required to accommodate each specific record.

The report format, in its practical application, shall as a minimum contain clauses A–F (where applicable) in addition to a cover page issued by the Issuing Authority.

### **Applicability of this report format**

In the framework of the *OIML Certification System (OIML–CS)* applicable to EBAs in conformity with this Recommendation, the use of this report format is mandatory. It shall be made available in English and/or in French and include copies translated into the national languages of the countries issuing such certificates, when appropriate.

## Guidance for the application of this report format

Key to the symbols and expressions used on the following pages:

The “summary of the results” and the “results of the tests” shall be completed according to the following example:

| Clause | Requirement or test | Passed | Failed | N/A * |
|--------|---------------------|--------|--------|-------|
| #      | <name>              | X      |        |       |
| #      | <name>              |        | X      |       |
| #      | <name>              |        |        | X     |

\* N/A: Requirement or test is not applicable to this instrument

*Notes:*

- (1) Unless prescribed otherwise, “Date” in the report refers to the date of testing.
- (2) The name(s) or symbol(s) of the unit(s) used to express the test results shall be specified in each form.
- (3) Where in a table one or several choices can be made, checkboxes are applied.  
In such a case, some or all of the columns Passed, Failed, N/A are not applicable and are thus presented greyed out or crosshatched (see the example below).

| Clause | Description | Passed                   | Failed | N/A | Observations |
|--------|-------------|--------------------------|--------|-----|--------------|
|        |             |                          |        |     |              |
|        |             | <input type="checkbox"/> |        |     |              |
|        |             | <input type="checkbox"/> |        |     |              |

If a prescribed test is not relevant for the type of instrument to be tested, the reason why the test is omitted shall be clearly stated in the field “Observations” (for instance surge tests on signal lines shorter than 30 m, tests related to AC mains supply in the case of an instrument only powered by DC mains supply, or partial testing after modification of a previously tested type).

The number of the report and the page numbers shall be completed in the heading.

## The test report

The format for the report is presented on the following pages, starting with space for the cover page.

Cover page  
by the  
Issuing Authority  
in accordance with national custom or legislation

## Test report contents

|          |                                                                                     |           |
|----------|-------------------------------------------------------------------------------------|-----------|
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## A References of the authority responsible for this report

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| Name                                                                                     |  |
| Address                                                                                  |  |
| Report number                                                                            |  |
| Application number                                                                       |  |
| Period of execution of the tests                                                         |  |
| Date of issuing this report                                                              |  |
| Name and signature of the person responsible for the report and stamp(s) (if applicable) |  |

## B Synopsis of the results of the evaluation

(To be completed by the OIML Issuing Authority)

|                                                                                                                        |            |
|------------------------------------------------------------------------------------------------------------------------|------------|
| <p>The evaluated EUT fulfils all the applicable and required criteria stated in OIML R 126-1:2021 and R 126-2:2021</p> |            |
| <input type="checkbox"/>                                                                                               | <p>Yes</p> |
| <input type="checkbox"/>                                                                                               | <p>No</p>  |
| <p>Observations:</p>                                                                                                   |            |

## C Summary of the results of the evaluation (examination and tests)

(To be completed by the OIML Issuing Authority)

### C.1 Examinations

For details of the evaluation results, refer to the corresponding records in clause E of this report.

| R 126-1<br>clause | Examinations                                 | EUT(s) comply with<br>referred clause |    |     | Details in |
|-------------------|----------------------------------------------|---------------------------------------|----|-----|------------|
|                   |                                              | Yes                                   | No | N/A |            |
| 5                 | Units of measurement and decimal sign        |                                       |    |     | E.1        |
| 6.1               | Measuring range                              |                                       |    |     | E.2        |
| 6.2               | Masking of low results (optional)            |                                       |    |     | E.3        |
| 6.3               | Scale interval                               |                                       |    |     | E.4        |
| 6.4               | Multiple indicating devices                  |                                       |    |     | E.5        |
| 7.1.1.1           | Indicating device                            |                                       |    |     | E.6        |
| 7.1.1.2           | Availability of measurement results          |                                       |    |     | E.7        |
| 7.1.1.3           | Presentations when in metrological test mode |                                       |    |     | E.8        |
| 7.1.2             | Protection against fraud                     |                                       |    |     | E.9        |
| 7.1.3             | Checking operations                          |                                       |    |     | E.10       |
| 7.1.4             | Warm-up time                                 |                                       |    |     | E.11       |
| 7.1.5             | Availability for measurement                 |                                       |    |     | E.12       |
| 7.1.6             | Power supply duration of internal batteries  |                                       |    |     | E.13       |
| 7.1.7             | Continuity of exhalation                     |                                       |    |     | E.14       |
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| 7.1.9             | Mouthpieces                                  |                                       |    |     | E.16       |
| 7.1.10.1          | Software identification                      |                                       |    |     | E.17a      |
| 7.1.10.2          | Correctness of algorithms and functions      |                                       |    |     | E.17b      |
| 7.1.10.3          | Protection of the software against fraud     |                                       |    |     | E.17c      |
| 7.1.10.4          | Detection of significant defects             |                                       |    |     | E.17d      |
| 7.1.10.5          | Interfaces                                   |                                       |    |     | E.17e      |
| 7.1.10.6          | Maintenance and verification of EBA software |                                       |    |     | E.17f      |
| 7.1.10.7          | Software documentation                       |                                       |    |     | E.17g      |
| 7.2.1.1           | Printing device (optional)                   |                                       |    |     | E.18       |
| 7.2.1.2           | Storage and transmission of data (optional)  |                                       |    |     | E.19       |
| 7.2.2             | Redundancy (optional)                        |                                       |    |     | E.20       |
| 8.1               | Instruction manual                           |                                       |    |     | E.21       |
| 8.2               | Additional instructions                      |                                       |    |     | E.22       |
| 9.1               | Inscriptions                                 |                                       |    |     | E.23       |
| 9.2               | Sealing                                      |                                       |    |     | E.24       |

| R 126-2<br>clause | Examinations       | EUT(s) comply with<br>referred clause |    |     | Details in |
|-------------------|--------------------|---------------------------------------|----|-----|------------|
|                   |                    | Yes                                   | No | N/A |            |
| 2.2               | Documentation      |                                       |    |     | E.25       |
| 2.3.1             | Visual examination |                                       |    |     | E.26       |

## C.2 Performance tests

For details of the test results refer to the corresponding records in clause F of this report

| Tests of<br>R 126-2<br>clause | Performance tests                                                    | Corresponding<br>requirements in<br>R 126-1 | EUT(s) comply with<br>referred clause |    |     | Details<br>in |
|-------------------------------|----------------------------------------------------------------------|---------------------------------------------|---------------------------------------|----|-----|---------------|
|                               |                                                                      |                                             | Yes                                   | No | N/A |               |
| 2.5.5.1                       | Maximum permissible errors and repeatability                         | 6.6, 6.7                                    |                                       |    |     | F.1           |
| 2.5.5.2                       | Drift                                                                | 6.8                                         |                                       |    |     | F.2           |
| 2.5.5.3                       | Memory effects                                                       | 6.9                                         |                                       |    |     | F.3           |
| 2.5.5.4                       | Effect of water vapour (condensation)                                |                                             |                                       |    |     | F.4           |
| 2.5.6.1                       | Variations of the test gas parameters                                | 6.10.2, 7.1.7                               |                                       |    |     | F.5           |
| 2.5.6.2                       | Alcohol in the upper respiratory tract                               | 7.1.8                                       |                                       |    |     | F.6           |
| 2.5.7.1                       | Temperatures test - Dry heat                                         | 6.10.1<br>Table 2                           |                                       |    |     | F.7a          |
| 2.5.7.1                       | Temperatures test - Cold                                             |                                             |                                       |    |     | F.7b          |
| 2.5.7.2                       | Damp heat, steady state (non-condensing)                             |                                             |                                       |    |     | F.8           |
| 2.5.7.3                       | Static atmospheric pressure                                          |                                             |                                       |    |     | F.9           |
| 2.5.7.4                       | Random vibration                                                     |                                             |                                       |    |     | F.10          |
| 2.5.7.5                       | DC mains voltage variations                                          |                                             |                                       |    |     | F.11a         |
| 2.5.7.6                       | AC mains voltage variations                                          |                                             |                                       |    |     | F.11b         |
| 2.5.7.7                       | AC mains frequency variations                                        |                                             |                                       |    |     | F.12          |
| 2.5.7.8                       | Low voltage of internal battery                                      |                                             |                                       |    |     | F.13          |
| 2.5.7.9                       | Power supply duration test (internal battery)                        |                                             |                                       |    |     | F.14          |
| 2.5.7.10                      | Voltage variations of road vehicle battery                           |                                             |                                       |    |     | F.15          |
| 2.5.7.11                      | Hydrocarbons in the environment                                      |                                             |                                       |    |     | F.16          |
| 2.5.7.12                      | Raised fraction of CO <sub>2</sub> in the test gas                   |                                             |                                       |    |     | F.17          |
| 2.5.8.1                       | Conducted currents generated by RF EM fields                         | 6.11.1<br>Table 3                           |                                       |    |     | F.18          |
| 2.5.8.2                       | Radiated RF electromagnetic fields                                   |                                             |                                       |    |     | F.19          |
| 2.5.8.3                       | Electrostatic discharges                                             |                                             |                                       |    |     | F.20          |
| 2.5.8.4                       | Bursts (transients) on AC and DC mains                               |                                             |                                       |    |     | F.21          |
| 2.5.8.5                       | Surges on AC and DC mains power lines                                |                                             |                                       |    |     | F.22          |
| 2.5.8.6                       | Bursts on signal, data and control lines                             |                                             |                                       |    |     | F.23          |
| 2.5.8.7                       | Ripple on DC mains power                                             |                                             |                                       |    |     | F.24          |
| 2.5.8.8                       | DC mains voltage dips, short interruptions and short-term variations |                                             |                                       |    |     | F.25          |
| 2.5.8.9                       | AC mains voltage dips, short interruptions and voltage variations    |                                             |                                       |    |     | F.26          |
| 2.5.8.10                      | Surges on signal, data and control lines                             |                                             |                                       |    |     | F.27          |
| 2.5.8.11                      | Electrical transient conduction along supply lines                   |                                             |                                       |    |     | F.28          |
| 2.5.8.12                      | Electrical transient conduction via lines other than supply lines    |                                             |                                       |    |     | F.29          |

| Tests of<br>R 126-2<br>clause | Performance tests                  | Corresponding<br>requirements in<br>R 126-1 | EUT(s) comply with<br>referred clause |    |     | Details<br>in |
|-------------------------------|------------------------------------|---------------------------------------------|---------------------------------------|----|-----|---------------|
|                               |                                    |                                             | Yes                                   | No | N/A |               |
| 2.5.8.13                      | Mechanical shock                   | 6.11.1<br>Table 4                           |                                       |    |     | F.30          |
| 2.5.8.14                      | Shakes                             |                                             |                                       |    |     | F.31          |
| 2.5.8.15                      | Damp heat, cyclic (condensing)     |                                             |                                       |    |     | F.31          |
| 2.5.8.16                      | Storage test                       |                                             |                                       |    |     | F.33          |
| 2.5.8.17                      | Vibration (as disturbance)         |                                             |                                       |    |     | F.34          |
| 2.5.8.18                      | Durability                         | 6.5                                         |                                       |    |     | F.35          |
| 2.5.9                         | Physiological influence substances | 6.11.2                                      |                                       |    |     | F.36          |
| 2.6.1                         | Sand and dust (optional)           | 6.11.3                                      |                                       |    |     | F.37          |
| 2.6.2                         | Salt mist (optional)               |                                             |                                       |    |     | F.38          |
| 2.6.3                         | Water (optional)                   |                                             |                                       |    |     | F.39          |

## D General information

### D.1 Manufacturer

|         |  |
|---------|--|
| Company |  |
| Address |  |

### D.2 Applicant

|                                                                                                                                                                 |                              |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| Company                                                                                                                                                         |                              |                             |
| Representative                                                                                                                                                  |                              |                             |
| Address                                                                                                                                                         |                              |                             |
| Reference                                                                                                                                                       |                              |                             |
| Date of application                                                                                                                                             |                              |                             |
| Applicant is authorised by the manufacturer (documented)                                                                                                        | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| It is verified that no application for OIML type evaluation for the same type has been made to any other OIML Issuing Authority (see OIML OIML-CS PD-05, 4.1.2) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Observations:                                                                                                                                                   |                              |                             |
|                                                                                                                                                                 |                              |                             |

**D.3 Testing laboratories involved in the tests**

(This table is to be completed for each testing laboratory)

|                                                                                                                                     |                       |                 |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|
| Name                                                                                                                                |                       |                 |
| Address                                                                                                                             |                       |                 |
| Application number                                                                                                                  |                       |                 |
| Tests by this laboratory                                                                                                            |                       |                 |
| Date/period of tests                                                                                                                |                       |                 |
| Name(s) of test engineer(s)                                                                                                         |                       |                 |
| Details of relevant peer assessment or assessment by other means where applicable                                                   | QA standard           |                 |
|                                                                                                                                     | Accreditation number: | Expires (date): |
| Entry area for detailed information if tests have not been performed on the premises of this laboratory but at a different location |                       |                 |
| Name of the responsible person                                                                                                      |                       |                 |
| Date of signature                                                                                                                   |                       |                 |
| Stamp (where applicable) and signature of the responsible person                                                                    |                       |                 |
| Observations:                                                                                                                       |                       |                 |

**D.4 General information concerning the type and the EUT(s) supplied for the tests**

| Information, indicated on the instrument |  |
|------------------------------------------|--|
| Manufacturer's trade mark                |  |
| Designation                              |  |
| Serial number(s) of the EUT(s)           |  |
| Type                                     |  |
| Operating temperature range ( $t$ °C)    |  |
| Measuring range                          |  |
| Printing device                          |  |
| Storage temperature range ( $t$ °C)      |  |
| Identification of software               |  |
| Electrical power (voltage, frequency...) |  |
| Power supply                             |  |

Relevant external/internal photographs taken during the examination and tests:

Remarks:

**D.5 Accessories, supplied by the applicant (if applicable)**

|                                                                                                             |  |
|-------------------------------------------------------------------------------------------------------------|--|
| Operating instructions                                                                                      |  |
| Battery                                                                                                     |  |
|                                                                                                             |  |
| Cables                                                                                                      |  |
| .....                                                                                                       |  |
| <p>Examples are:</p> <p>Data printer (if applicable); ancillary devices, cabling and other accessories:</p> |  |

## D.6 Selection of EUTs tested

If the tests and examinations are valid for more versions, present full details of these versions, according to the listing of parameters and type designation in the way presented in D.4:

Justification of the selection of the EUTs:

The following EUTs have taken part in the examination:

| EUT no. | Model | Serial no. |
|---------|-------|------------|
| 1       |       |            |
| 2       |       |            |
| 3       |       |            |
| 4       |       |            |
| 5       |       |            |
| ...     |       |            |

## **D.7 Adjustments, modifications and corrective action**

### **D.7a Adjustments and modifications**

Adjustments, modifications, and repairs made to the EUTs during the testing:

### **D.7b Correction and corrective action**

Repairs, correction, analysis of the cause and corrective action made to the EUTs when they failed in a test. Impact analysis on results of previous tests.

## **D.8 Additional information concerning the type**

Additional observations and/or information (connection equipment, interfaces, etc.):

**D.9 Documentation supplied by the applicant**

Observations:

NB: this documentation should contain all the documentation mentioned in R 126-2, 2.2

**D.10 Results of previous tests that were taken into account**

Details:

**D.11 Information concerning the test equipment used for the type evaluation**

(including details of simulations)

- Description of the test gas generator
- Characteristic reference values of the test gas
- If simplified means, description of the simplified means
- If a simplified means is used, the correction based on the error in the reference conditions must be given

## E Examinations

*To be completed by the evaluating authority*

*For each item of chapter E, the minimum mandatory information is:*

- Date of the examination:
- Name of the technician:
- Serial number:
- Description of the test performed and result:
- Passed ☐ Failed ☐ Not applicable ☐

*The results may be presented in a list of items or in a table such as the following table:*

|     |                                      | Date of examination | Name of technician | Serial numbers | Description of the test performed and result | Results |        |     |
|-----|--------------------------------------|---------------------|--------------------|----------------|----------------------------------------------|---------|--------|-----|
|     |                                      |                     |                    |                |                                              | Passed  | Failed | N/A |
| E.1 | Unit of measurement and decimal sign |                     |                    |                |                                              |         |        |     |
| E.2 | Measuring range                      |                     |                    |                |                                              |         |        |     |
| E.3 | Masking of low results (optional)    |                     |                    |                |                                              |         |        |     |
| E.4 | Scale interval                       |                     |                    |                |                                              |         |        |     |
| E.5 | Multiple indicating devices          |                     |                    |                |                                              |         |        |     |
| E.6 | Indicating device                    |                     |                    |                |                                              |         |        |     |
| E.7 | Availability of measurement results  |                     |                    |                |                                              |         |        |     |

|                                                  | Date of examination | Name of technician | Serial numbers | Description of the test performed and result | Results |        |     |
|--------------------------------------------------|---------------------|--------------------|----------------|----------------------------------------------|---------|--------|-----|
|                                                  |                     |                    |                |                                              | Passed  | Failed | N/A |
| E.8 Presentations when in metrological test mode |                     |                    |                |                                              |         |        |     |
| E.9 Protection against fraud                     |                     |                    |                |                                              |         |        |     |
| E.10 Checking operations                         |                     |                    |                |                                              |         |        |     |
| E.11 Warm-up time                                |                     |                    |                |                                              |         |        |     |
| E.12 Availability for measurement                |                     |                    |                |                                              |         |        |     |
| E.13 Power supply duration of internal batteries |                     |                    |                |                                              |         |        |     |
| E.14 Continuity of exhalation                    |                     |                    |                |                                              |         |        |     |
| E.15 Alcohol in the upper respiratory tract      |                     |                    |                |                                              |         |        |     |
| E.16 Mouthpieces                                 |                     |                    |                |                                              |         |        |     |
| E.17a Software identification                    |                     |                    |                |                                              |         |        |     |
| E.17b Correctness of algorithms and functions    |                     |                    |                |                                              |         |        |     |
| E.17c Protection of software against fraud       |                     |                    |                |                                              |         |        |     |
| E.17d Detection of significant defects           |                     |                    |                |                                              |         |        |     |

|                                                    | Date of examination | Name of technician | Serial numbers | Description of the test performed and result | Results |        |     |
|----------------------------------------------------|---------------------|--------------------|----------------|----------------------------------------------|---------|--------|-----|
|                                                    |                     |                    |                |                                              | Passed  | Failed | N/A |
| E.17e Interfaces                                   |                     |                    |                |                                              |         |        |     |
| E.17f Maintenance and verification of EBA software |                     |                    |                |                                              |         |        |     |
| E.17g Software documentation                       |                     |                    |                |                                              |         |        |     |
| E.18 Printing device                               |                     |                    |                |                                              |         |        |     |
| E.19 Storage and transmission of data              |                     |                    |                |                                              |         |        |     |
| E.20 Redundancy (optional)                         |                     |                    |                |                                              |         |        |     |
| E.21 Instruction manual                            |                     |                    |                |                                              |         |        |     |
| E.22 Additional instructions                       |                     |                    |                |                                              |         |        |     |
| E.23 Inscriptions                                  |                     |                    |                |                                              |         |        |     |
| E.24 Sealing                                       |                     |                    |                |                                              |         |        |     |
| E.25 Documentation                                 |                     |                    |                |                                              |         |        |     |
| E.26 Visual examination                            |                     |                    |                |                                              |         |        |     |

## F Performance tests

Notes on the use of the following tables:

- “Reference concentration”: Actual concentration of the test gas used for the respective test
- “Min” and “Max” (of reference concentration): Within the repeated measurement of a test row, the test gas concentration might vary due to e.g. slight temperature and/or pressure changes. This shall be taken into account and the Min- and Max-concentration for a test row shall be completed in the table.

### F.1 Maximum permissible errors and repeatability (R 126-2 – 2.5.5.1)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐      Failed ☐      Not applicable ☐

| Test gas no. | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) | Experimental standard deviation (mg/L) | Maximum permissible standard deviation (mg/l) |
|--------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|----------------------------------------|-----------------------------------------------|
|              | Min                            | Max |                 |                            |                            |                        |                                  |                                        |                                               |
|              |                                |     |                 |                            |                            |                        |                                  |                                        |                                               |
|              |                                |     |                 |                            |                            |                        |                                  |                                        |                                               |
|              |                                |     |                 |                            |                            |                        |                                  |                                        |                                               |

**F.2 Drift** (R 126-2 – 2.5.5.2)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test 1                         |     |                 |                      | Test 2                         |     |                 |                      | Difference between the mean values (mg/L) | Maximum permissible deviation (mg/L) |
|--------------------------------|-----|-----------------|----------------------|--------------------------------|-----|-----------------|----------------------|-------------------------------------------|--------------------------------------|
| Reference concentration (mg/L) |     | Number of tests | Average error (mg/L) | Reference concentration (mg/L) |     | Number of tests | Average error (mg/L) |                                           |                                      |
| Min                            | Max |                 |                      | Min                            | Max |                 |                      |                                           |                                      |
|                                |     |                 |                      |                                |     |                 |                      |                                           |                                      |

**F.3 Memory effects** (R 126-2 – 2.5.5.3)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test 1                         |     |                 |                            |                            |                                  |                      | Test 2                         |     |                 |                            |                            |                                  |                      |                                           |                                      |
|--------------------------------|-----|-----------------|----------------------------|----------------------------|----------------------------------|----------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|----------------------------------|----------------------|-------------------------------------------|--------------------------------------|
| Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Maximum permissible error (mg/L) | Average error (mg/L) | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Maximum permissible error (mg/L) | Average error (mg/L) | Difference between the mean values (mg/L) | Maximum permissible deviation (mg/L) |
| Min                            | Max |                 |                            |                            |                                  |                      | Min                            | Max |                 |                            |                            |                                  |                      |                                           |                                      |
|                                |     |                 |                            |                            |                                  |                      |                                |     |                 |                            |                            |                                  |                      |                                           |                                      |

**F.4 Effect of water vapour (condensation)** (R 126-2 – 2.5.5.4)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Reference concentration (mg/L) |     | Number of tests | Characteristic of the tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error ( $\pm$ mg/L) | Maximum permissible error (mg/L) |
|--------------------------------|-----|-----------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------------|
| Min                            | Max |                 |                             |                            |                            |                             |                                  |
|                                |     |                 |                             |                            |                            |                             |                                  |

**F.5 Variations of the test gas parameters** (R 126-2 – 2.5.6.1)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Influence<br>(a to f) | Reference<br>concentration<br>(mg/L) |     | Number<br>of tests | Characteristic<br>of the tests | Minimum<br>error value<br>(mg/L) | Maximum<br>error value<br>(mg/L) | Average error<br>(± mg/L) | Maximum<br>permissible<br>error<br>(mg/L) | EUT<br>response/error<br>messages |
|-----------------------|--------------------------------------|-----|--------------------|--------------------------------|----------------------------------|----------------------------------|---------------------------|-------------------------------------------|-----------------------------------|
|                       | Min                                  | Max |                    |                                |                                  |                                  |                           |                                           |                                   |
|                       |                                      |     |                    |                                |                                  |                                  |                           |                                           |                                   |

**F.6 Alcohol in the upper respiratory tract (R 126-2 – 2.5.6.2)**

|                                                                                |                  |        |           |                 |        |           |
|--------------------------------------------------------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination                                                        |                  |        |           |                 |        |           |
| Name of the technician                                                         |                  |        |           |                 |        |           |
| Serial number                                                                  |                  |        |           |                 |        |           |
| Test apparatus used for the test                                               |                  |        |           |                 |        |           |
| Type of gas used for the test                                                  |                  |        |           |                 |        |           |
| Test conditions                                                                | Before the tests |        |           | After the tests |        |           |
|                                                                                | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                                                                |                  |        |           |                 |        |           |
| Description of the detection method of the EUT and the appropriate test method |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Reference concentration (mg/L) |     | Number of tests | Characteristic of the tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Displayed error message | Maximum permissible error (mg/L) |
|--------------------------------|-----|-----------------|-----------------------------|----------------------------|----------------------------|-------------------------|----------------------------------|
| Min                            | Max |                 |                             |                            |                            |                         |                                  |
|                                |     |                 |                             |                            |                            |                         |                                  |

*Note:* The table may be adapted to suit the method used.

**F.7 (a and b) Temperature test (dry heat and cold) (R 126-2 – 2.5.7.1)**

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test              |                                                         | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error ( $\pm$ mg/L) | Maximum permissible error (mg/L) |
|-------------------|---------------------------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|-----------------------------|----------------------------------|
|                   |                                                         | Min                            | Max |                 |                            |                            |                             |                                  |
| Dry heat and cold | Special condition value of the test (Low temperature)   |                                |     |                 |                            |                            |                             |                                  |
|                   | Special condition value of the test (High temperature ) |                                |     |                 |                            |                            |                             |                                  |

**F.8 Damp heat, steady state (non-condensing)** (R 126-2 – 2.5.7.2)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                    |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|-------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                         |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Damp heat, steady state | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.9 Static atmospheric pressure** (R 126-2 – 2.5.7.3)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                 |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|----------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                      |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Atmospheric pressure | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.10 Random vibration** (R 126-2 – 2.5.7.4)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test             |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                  |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Random vibration | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.11 (a and b) Mains voltage variations (DC and AC)** (R 126-2 – 2.5.7.5, 2.5.7.6)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                     |                                          | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|--------------------------|------------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                          |                                          | Min                            | Max |                 |                            |                            |                        |                                  |
| Mains voltage variations | Special condition value of the test (DC) |                                |     |                 |                            |                            |                        |                                  |
|                          | Special condition value of the test (AC) |                                |     |                 |                            |                            |                        |                                  |

**F.12 Mains frequency variations (AC)** (R 126-2 – 2.5.7.7)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                          |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error ( $\pm$ mg/L) | Maximum permissible error (mg/L) |
|-------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|-----------------------------|----------------------------------|
|                               |                                     | Min                            | Max |                 |                            |                            |                             |                                  |
| Main frequency variation (AC) | Special condition value of the test |                                |     |                 |                            |                            |                             |                                  |

**F.13 Low voltage of internal battery** (R 126-2 – 2.5.7.8)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                            |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|---------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                                 |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Low voltage of internal battery | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.14 Power supply duration test (internal battery)** (R 126-2 – 2.5.7.9)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                            |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error ( $\pm$ mg/L) | Maximum permissible error (mg/L) |
|---------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|-----------------------------|----------------------------------|
|                                 |                                     | Min                            | Max |                 |                            |                            |                             |                                  |
| Low voltage of internal battery | Special condition value of the test |                                |     |                 |                            |                            |                             |                                  |

**F.15 Voltage variations of a road vehicle battery** (R 126-2 – 2.5.7.10)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                       |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error ( $\pm$ mg/L) | Maximum permissible error (mg/L) |
|--------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|-----------------------------|----------------------------------|
|                                            |                                     | Min                            | Max |                 |                            |                            |                             |                                  |
| Voltage variations of road vehicle battery | Special condition value of the test |                                |     |                 |                            |                            |                             |                                  |

**F.16 Hydrocarbons in the environment** (R 126-2 – 2.5.7.11)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                        |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|-------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                                                             |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Total fraction by volume of hydrocarbons in the environment | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.17 Raised fraction of CO<sub>2</sub> in the test gas** (R 126-2 – 2.5.7.12)

|                                  |                  |             |                |                 |             |                |
|----------------------------------|------------------|-------------|----------------|-----------------|-------------|----------------|
| Date of the examination          |                  |             |                |                 |             |                |
| Name of the technician           |                  |             |                |                 |             |                |
| Serial number                    |                  |             |                |                 |             |                |
| Test apparatus used for the test |                  |             |                |                 |             |                |
| Type of gas used for the test    |                  |             |                |                 |             |                |
| Test conditions                  | Before the tests |             |                | After the tests |             |                |
|                                  | <i>T</i> (°C)    | <i>RH</i> % | <i>p</i> (hPa) | <i>T</i> (°C)   | <i>RH</i> % | <i>p</i> (hPa) |
|                                  |                  |             |                |                 |             |                |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                |                                     | Reference concentration (mg/L) |     | Number of tests | Minimum error value (mg/L) | Maximum error value (mg/L) | Average error (± mg/L) | Maximum permissible error (mg/L) |
|-----------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|----------------------------|----------------------------|------------------------|----------------------------------|
|                                                     |                                     | Min                            | Max |                 |                            |                            |                        |                                  |
| Influence of the volume fraction of CO <sub>2</sub> | Special condition value of the test |                                |     |                 |                            |                            |                        |                                  |

**F.18 Conducted currents generated by RF EM fields** (R 126-2 – 2.5.8.1)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                         |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Error of indication (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit (mg/L) | Observations |
|----------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|--------------|
|                                              |                                     | Min                            | Max |                 |                                                                                                            |                                                                                                 |                                                       |                    |              |
| Conducted currents generated by RF EM fields | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                                 |                                                       |                    |              |

*Note:* The table may be adapted to suit the test scheme used (either A or B)

**F.19 Radiated RF electromagnetic fields** (R 126-2 – 2.5.8.2)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                 |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Error of indication (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|--------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                      |                                     | Min                            | Max |                 |                                                                                                            |                                                                                                 |                                                       |                       |              |
| Radiated, radio frequency, EM fields | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                                 |                                                       |                       |              |

*Note:* The table may be adapted to suit the test scheme used (either A or B)

**F.20 Electrostatic discharges** (R 126-2 – 2.5.8.3)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                     |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|--------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                          |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Electrostatic discharges | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.21 Bursts (transients) on AC and DC mains** (R 126-2 – 2.5.8.4)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                      |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|---------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                           |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Bursts on AC and DC mains | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.22 Surges on AC and DC mains power lines** (R 126-2 – 2.5.8.5)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                  |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|---------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                       |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Surges on AC and DC mains power lines | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.23 Bursts on signal, data and control lines** (R 126-2 – 2.5.8.6)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                     |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                          |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Bursts on signal, data and control lines | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.24 Ripple on DC mains power** (R 126-2 – 2.5.8.7)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                    |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit (mg/L) | Observations |
|-------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|--------------|
|                         |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                    |              |
| Ripple on DC main power | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                    |              |

**F.25 DC mains voltage dips, short interruptions and short-term variations** (R 126-2 – 2.5.8.8)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                              |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ ) (mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ ) (mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$ (mg/L) | Fault limit (mg/L) | Observations |
|-------------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|--------------|
|                                                                   |                                     | Min                            | Max |                 |                                                                                                         |                                                                                            |                                                    |                    |              |
| DC mains voltage dips, short interruptions and voltage variations | Special condition value of the test |                                |     |                 |                                                                                                         |                                                                                            |                                                    |                    |              |

**F.26 AC mains voltage dips, short interruptions and voltage variations** (R 126-2 – 2.5.8.9)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                              |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|-------------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                                   |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| AC mains voltage dips, short interruptions and voltage variations | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.27 Surges on signal, data and control lines** (R 126-2 – 2.5.8.10)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                 |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                      |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Electronical transient conduction along supply lines | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.28 Electrical transient conduction along supply lines** (R 126-2 – 2.5.8.11)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                 |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit (mg/L) | Observations |
|------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|--------------|
|                                                      |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                    |              |
| Electronical transient conduction along supply lines | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                    |              |

**F.29 Electrical transient conduction via lines other than supply lines** (R 126-2 – 2.5.8.12)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                              |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|-------------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                                   |                                     | Min                            | Max |                 |                                                                                                            |                                                                                               |                                                       |                       |              |
| Electrical transient conduction via lines other than supply lines | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                               |                                                       |                       |              |

**F.30 Mechanical shock** (R 126-2 – 2.5.8.13)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test             |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                  |                                     | Min                            | Max |                 |                                                                                                            |                                                                                              |                                                       |                       |              |
| Mechanical shock | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                              |                                                       |                       |              |

**F.31 Shakes** (R 126-2 – 2.5.8.14)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test   |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|--------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|        |                                     | Min                            | Max |                 |                                                                                                            |                                                                                              |                                                       |                       |              |
| Shakes | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                              |                                                       |                       |              |

**F.32 Damp heat, cyclic (condensing)** (R 126-2 – 2.5.8.15)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH$ % $p$ (hPa) | $T$ (°C) $RH$ % $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                           |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|--------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                |                                     | Min                            | Max |                 |                                                                                                            |                                                                                              |                                                       |                       |              |
| Damp heat, cyclic (condensing) | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                              |                                                       |                       |              |

**F.33 Storage test** (R 126-2 – 2.5.8.16)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test         |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit (mg/L) | Observations |
|--------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|--------------|
|              |                                     | Min                            | Max |                 |                                                                                                            |                                                                                              |                                                       |                    |              |
| Storage test | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                              |                                                       |                    |              |

**F.34 Vibration (as disturbance)** (R 126-2 – 2.5.8.17)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH$ % | $p$ (hPa) | $T$ (°C)        | $RH$ % | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test      |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit (mg/L) | Observations |
|-----------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------|--------------|
|           |                                     | Min                            | Max |                 |                                                                                                            |                                                                                              |                                                       |                    |              |
| Vibration | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                              |                                                       |                    |              |

**F.35 Durability** (R 126-2 – 2.5.8.18)

Description of the test performed and result.

The requirement is met if the EUT(s) submitted to the accuracy tests and disturbance test passes each single test:

Passed ☐

Failed ☐

Not applicable ☐

**F.36 Physiological influence substances** (R 126-2 – 2.5.9)

|                                  |                                          |                                          |
|----------------------------------|------------------------------------------|------------------------------------------|
| Date of the examination          |                                          |                                          |
| Name of the technician           |                                          |                                          |
| Serial number                    |                                          |                                          |
| Test apparatus used for the test |                                          |                                          |
| Type of gas used for the test    |                                          |                                          |
| Test conditions                  | Before the tests                         | After the tests                          |
|                                  | <i>T</i> (°C) <i>RH</i> % <i>p</i> (hPa) | <i>T</i> (°C) <i>RH</i> % <i>p</i> (hPa) |
|                                  |                                          |                                          |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Concentration of ethanol in the reference gas (mg/L ± 5 %) | Tested substance | Nominal value for interferent vapour mass concentration (mg/L ± 5 %) | Number of tests | Results of the EBA without the interfering substances (mg/L) | Results of the EBA with the interfering substances (mg/L) | Sensitivity (mg/L) | Maximum sensitivity (mg/L) |
|------------------------------------------------------------|------------------|----------------------------------------------------------------------|-----------------|--------------------------------------------------------------|-----------------------------------------------------------|--------------------|----------------------------|
|                                                            |                  |                                                                      |                 |                                                              |                                                           |                    |                            |

**F.37 Sand and dust conditions (optional)** (R 126-2 – 2.6.1)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH\%$ $p$ (hPa) | $T$ (°C) $RH\%$ $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                       |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during or after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                            |                                     | Min                            | Max |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |
| Disturbances expected in specific environmental conditions | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |

**F.38 Salt mist (optional)** (R 126-2 – 2.6.2)

|                                  |                  |        |           |                 |        |           |
|----------------------------------|------------------|--------|-----------|-----------------|--------|-----------|
| Date of the examination          |                  |        |           |                 |        |           |
| Name of the technician           |                  |        |           |                 |        |           |
| Serial number                    |                  |        |           |                 |        |           |
| Test apparatus used for the test |                  |        |           |                 |        |           |
| Type of gas used for the test    |                  |        |           |                 |        |           |
| Test conditions                  | Before the tests |        |           | After the tests |        |           |
|                                  | $T$ (°C)         | $RH\%$ | $p$ (hPa) | $T$ (°C)        | $RH\%$ | $p$ (hPa) |
|                                  |                  |        |           |                 |        |           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                       |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during or after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                            |                                     | Min                            | Max |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |
| Disturbances expected in specific environmental conditions | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |

**F.39 Water (optional)** (R 126-2 – 2.6.3)

|                                  |                           |                           |
|----------------------------------|---------------------------|---------------------------|
| Date of the examination          |                           |                           |
| Name of the technician           |                           |                           |
| Serial number                    |                           |                           |
| Test apparatus used for the test |                           |                           |
| Type of gas used for the test    |                           |                           |
| Test conditions                  | Before the tests          | After the tests           |
|                                  | $T$ (°C) $RH\%$ $p$ (hPa) | $T$ (°C) $RH\%$ $p$ (hPa) |
|                                  |                           |                           |

Description of the test performed and result

Passed ☐Failed ☐Not applicable ☐

| Test                                                       |                                     | Reference concentration (mg/L) |     | Number of tests | Intrinsic error (average of the errors under reference conditions)<br>( $\bar{E}_{\text{ref}}$ )<br>(mg/L) | Measurement error (average of the errors during or after the disturbance)<br>( $\bar{E}_i$ )<br>(mg/L) | Fault<br>$\bar{E}_i - \bar{E}_{\text{ref}}$<br>(mg/L) | Fault limit<br>(mg/L) | Observations |
|------------------------------------------------------------|-------------------------------------|--------------------------------|-----|-----------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------|--------------|
|                                                            |                                     | Min                            | Max |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |
| Disturbances expected in specific environmental conditions | Special condition value of the test |                                |     |                 |                                                                                                            |                                                                                                        |                                                       |                       |              |